

## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <a href="http://about.jstor.org/participate-jstor/individuals/early-journal-content">http://about.jstor.org/participate-jstor/individuals/early-journal-content</a>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

# THE JOHNS HOPKINS PRESS

### BALTIMORE.

I. AMERICAN JOURNAL OF MATHEMATICS.

FRANK MORLEY, Editor. Quarterly. 4to. Volume XXVII in progress. \$5 per volume.

- II. AMERICAN CHEMICAL JOURNAL.
  - I. Remsen, Editor. Monthly. 8vo. Volume XXXIII in progress. \$5 per year.
- III. AMERICAN JOURNAL OF PHILOLOGY.
  - B. L. GILDERSLEEVE, Editor. Quarterly. 8vo. Volume XXV in progress. \$3 per volume.
- IV. STUDIES FROM THE BIOLOGICAL LABORATORY.

8vo. Volume V complete. \$5 per volume.

V. STUDIES IN HISTORY AND POLITICS.

Monthly. 8vo. Volume XXIII in progress. \$3 per volume.

VI. JOHNS HOPKINS UNIVERSITY CIRCULAR.

Monthly. 8vo. \$1 per year.

VII. JOHNS HOPKINS HOSPITAL REPORTS.

8vo. Volume XII in progress. \$5 per volume.

VIII. JOHNS HOPKINS HOSPITAL BULLETIN.

Monthly. 4to. Volume XVI in progress. \$2 per year.

IX. CONTRIBUTIONS TO ASSYRIOLOGY, ETC.

8vo. Volume V in progress.

X. MEMOIRS FROM THE BIOLOGICAL LABORATORY.

W. K. Brooks, Editor. 4to. Volume V complete.

XI. THE JOURNAL OF EXPERIMENTAL MEDICINE.

W. H. Welch, Editor. Bi-monthly. 8vo. Volume VI in progress. \$5 per volume.

- XII. MODERN LANGUAGE NOTES.
  - A. M. Elliott, Editor. 4to. Volume XX in progress. \$1.50 per volume.
- XIII. AMERICAN JOURNAL OF INSANITY.

HENRY M. HURD, Editor. Quarterly. 8vo. \$5 per volume.

- XIV. REPRINT OF ECONOMIC TRACTS.
  - J. H. HOLLANDER, Editor. First Series \$1.50. Second Series, 1904, \$1.00.
- XV. REPORTS OF MARYLAND GEOLOGICAL SURVEY.

WILLIAM B. CLARK, Editor.

XVI. TERRESTRIAL MAGNETISM AND ATMOSPHERIC ELECTRICITY.

L. A. BAUER, Editor. Quarterly. 8vo. Volume X in progress. \$2.50 per volume.

XVII. ANNUAL REPORT.

Presented by the President to the Board of Trustees, reviewing the operations of the University during the past academic year.

#### XVIII. ANNUAL REGISTER.

- Giving the list of officers and students, and stating the regulations, etc., of the University.

  Published at the close of the academic year.
- The University Circular, including the Annual Report, and Annual Register, will be sent by mail for one dollar per annum.
- Communications in respect to exchanges and remittances may be sent to The Johns Hopkins Press, Baltimore, Maryland.

## CONTENTS.

P	AGE
Some Properties of a Generalized Hypergeometric Function. By F. H. Jackson, .	1
Relation between Real and Complex Groups with Respect to their Structure and Continuity. By Dr. S. E. Slocum,	7
Determination of all the Characteristic Subgroups of any Abelian Group. By G. A. MILLER,	15
Collineations whose Characteristic Determinants have Linear Elementary Divisors with an Application to Quadratic Forms. By A. B. Coble	25
Concerning Certain Elliptic Modular Functions of Square Rank. By John A. MILLER,	47
Minors of Axi-symmetric Determinants. By E. J. Nanson,	69
On the Forms of Sextic Scrolls having a Rectilinear Directrix. By VIRGIL SNYDER, .	77

The American Journal of Mathematics will appear four times yearly.

The subscription price of the Journal is \$5.00 a volume; single numbers \$1.50. A few complete sets of the Journal remain on sale.

Subscriptions from countries included in the Postal Union may be sent by international money order, payable to *Nicholas Murray*.

It is requested that all scientific communications be addressed to the Editor of the American Journal of Mathematics, and all business or financial communications to The Johns Hopkins Press, Baltimore, Md., U. S. A.